Resid Perpero 1 & Sep 2000

SEQUENCE LISTING <110> BASF AG <120> PLANTS WITH A MODIFIED AMINO ACID CONTENT AND THEIR GENERATION <130> 3557-12 <140> 199 44 212.6 <141> 1999-09-14 <160> 2 <170> PatentIn Ver. 2.1 <210> 1 <211> 1770 <212> DNA <213> Arabidopsis thaliana <400> 1 atggaagctg tgattcaaac cagagggctt ctctctttac ccaccaaacc catcggagtg 60 agaagccaac ttcagccttc ccatggctta aagcagagac ttttcgccgc gaagccaaga 120 aatctacatg ggtgtctcta tcctttaacg ggcacaagaa atttcaaacc tttgagccaa 180 ccctgcatgg gatttcgatt tcccacaaag agagaagcac cgagttcata tgcaaggcgg 240 aggcgcggct gctggcgacg gagctgtctt cggcgaagcg attccgcagc tgttgtagcc 300 tcgcggaaga ttttcggtgt ggaggttgca accttgaaaa agattatccc tttaggattg 360 atgttctttt gtattctttt caattacaca attctgaggg atacaaagga tgtcttggtg 420 gtgacggcga aaggaagttc tgctgagatt atacctttct tgaagacttg ggtgaatctt 480 cctatggcca ttgggtttat gctcctctac actaaactct ccaatgttct ctccaagaag 540 gctctgtttt acactgttat tgtccctttc atcatctact ttgggggctt tggtttcgtc 600 atgtaccete teageaacta tatteaceeg gaageteteg eagataaget eettacaace 660 ctcggcccaa gattcatggg tcctattgca atattgcgga tttggagttt ctgtttgttt 720 tatgttatgg ctgagctttg gggtagtgtg gtggtctcag ttctcttctg gggctttgct 780 aatcagatca caactgtgga tgaagccaag aaattctatc ctttgttcgg cattggagcc 840 aatgttgcac tgattttctc aggaagaacc gtgaaatact tctctaactt gagaaagaat 900 cttggtcctg gagttgacgg cagtttcgtt gaaagccatg atgagcattg tggtgggaat 960 gggactcgca tttgtctctc tattggtggg tcgaatagat atgttcctct tccaacccgt 1020 agcaagaaca agaaggagaa accgaagatg ggaacgatgg aaagcttgaa gttcttggta 1080 tcatcaccat acattagaga tcttgctact ttagtggtgg catacggtat tagtatcaat 1140 cttgtggaag tcacatggaa atcaaagctt aaagctcagt tccctagccc gaatgagtac 1200 tcagcattta tgggagcatt ctcaacctgc acgggtgttg caacattcac aatgatgctt 1260 ctcagccaat acgtattcaa taagtatggt tggggagtag ctgcaaagat caccccaact 1320 gttctgctat tgactggtgt tgcgttcttc tctctaatat tgtttggcgg cccattcgca 1380 ccacttgttg ccaagettgg tatgacaceg ctacttgcag ctgtgtatgt eggtgeeett 1440 cagaatatct tcagcaagag tgccaagtac agcttgttcg acccttgcaa agaaatggcc 1500 tatatcccat tggatgagga caccaaggtt aaaggcaaag ctgcgattga cgtggtctgc 1560 aacccattag gaaaatcagg gggagcttta atacagcagt tcatgatctt atcctttgga 1620 tcactagcga attcaacgcc gtatctagga atgatcttgt tggttattgt cactgcgtgg 1680 ttagctgcag ctaagtcgct ggagggacag ttcaacagct tgcgtctgaa gaagagcttg 1740 agaaggaaat ggagagagct tcatcggtga 1770 <210> 2

<211> 1896

<212> DNA

<213> Solanum tuberosum



atggaaggtg ttttacaaac aagagggctt ctttctttgc cttctaaacc caaaatcaag 60 gctttttacc cattgcctca agggggtcta aggaacagat tcaattcttt aagtagttta 120 aagcctaatc ctcttaatgg ggtttcttta tcttcaaatg ggtttcaaaa agttcaaggc 180 tttgacacaa agcctcagtt gtttggccaa aagaagaggt gttttccaat atgcaaagct 240 gaggctgctg ctgctggt tgcagctgat ggacagccac tttttgttga aaaggagcaa 300 cctaagttta tggggattga acttgtgacc cttaagaaaa ttataccact tggggcgatg 360 ttcttttgta ttctgtttaa ttatacaatc cttagggata ctaaggatgt gttggttgta 420 acagctaaag ggtccagtgc tgagattatc cctttcttga aaacttgggt gaatttgcct 480 atggctattg gattcatgct tttgtacaca aagttggcta atgtgttgtc aaaggaggct 540 tatcctctta gcaattactt tcaccctaca gcttttgctg ataagcttct caataccctt 660 ggtccaagat ttcttggacc aattgctatt ctgaggatct ggagtttctg cttgttctat 720 gtcatggctg agctttgggg aagtgtggtg gtttcagtac tcttttgggg atttgctaat 780 cagatcacga ctgtcgatga ggctaagaga ttctatcctt tgtttggact tggagcgaat 840 gttgctctta ttttctctgg tcgcacagtg aagtactttt ctagcttgag aagctcttta 900 ggtcctggag ttgatggttg ggctatctcc ctgaaaggaa tgatgagtat tgttgtgatg 960 atgggtgggg caatctgttt cttttactgg tgggtgaata gaaatgttgc tctcccaact 1020 cgtagcaaga agaagaaggt aaaacctaac atgaccacaa tggagagctt gaagttcttg 1080 gtctcttcaa aatatatcag ggatcttgcc acattggttg tagcatatgg cattagtatc 1140 aaccttgttg aagttacatg gaagtcaaag ctcaaagctc agttcccaag ccccaatgaa 1200 tactcctcat tcatgggtga cttctcaact gctactggaa tagcaacttt cacaatgatg 1260 ttgttaagtc aatggatttt cgacaagtat gggtggggag cagcagccaa gataacacct 1320 acagtettge teettacegg agttggttte ttetecetge ttttgtttgg ggcaceteta 1380 gcacctactc ttgcgaagtt tggaatgact cctcttctag cagctgtcta tgtgggtgca 1440 atgcagaaca ttttcagtaa gagtgcaaag tatagtttgt ttgacccctg caaagaaatg 1500 gcctacattc ctttggatga ggacaccaag gttaaaggga aggcagcaat cgatgttgtc 1560 tgcaatccac tgggaaagtc tggaggagct ttgatacaac agttcatgat tttgactttt 1620 ggttcacttg ccagctcgac accctacctt ggcggtgtgc tcttagtaat tgttcttgca 1680 tggttgggag cagccaagtc tttggatgga cagttcactc aattacgcca agaagaagat 1740 cttgagaagg aaatggagag agcatcgttg aagatccctg tcgtgtctca aaatgaaaat 1800 ggaaatggtc ctctctcaag tgagtcatca ctaaatcccg ctggaggtga ctctaccaac 1860 gcttcatcgg aaccctcctc cccaaggagc ctgtaa 1896